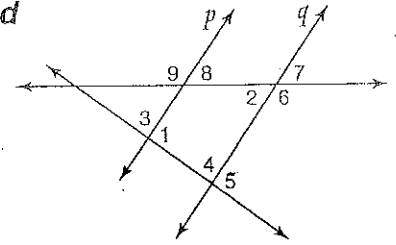


Honors Geometry

3.2 & 3.3

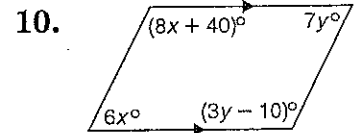
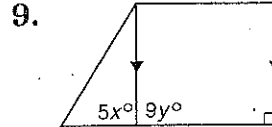
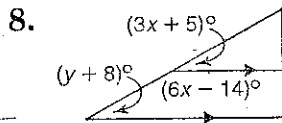
Name _____

In the figure at the right $p \parallel q$, $m\angle 1 = 78$, and $m\angle 2 = 47$. Find the measure of each angle.

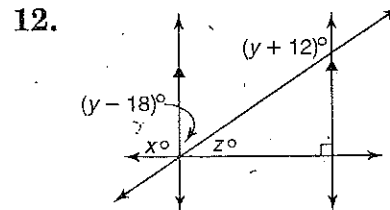
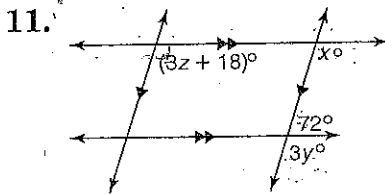


1. $\angle 3$
2. $\angle 4$
3. $\angle 5$
4. $\angle 6$
5. $\angle 7$
6. $\angle 8$
7. $\angle 9$

Find the values of x and y in each figure.



Find the values of x , y and z in each figure.



Systems

Use elimination to solve each system of equations.

1. $2x + 5y = 3$
 $-x + 3y = -7$

2. $2x + y = 3$
 $-4x - 4y = -8$

3. $5x - 2y = -10$
 $3x + 6y = 66$

4. $7x + 4y = -4$
 $5x + 8y = 28$

5. $4x - 2y = -14$
 $3x - y = -8$

6. $5x + 3y = -10$
 $3x + 5y = -6$

Slope

Find the slope of the line passing through the given points

1. $C(-2, -4), D(8, 12)$

2. $J(-4, 6), K(3, -10)$

Give // slope to \overline{PR}

3. $P(0, 12), R(12, 0)$

4. $S(15, -15), T(-15, 0)$

5. $F(21, 12), G(-6, -4)$

Give \perp slope to \overline{LM}

6. $L(7, 0), M(-17, 10)$